

In the Claims:

Claims 1-10 and 12-27 were pending at the time of the Office Action.

Claims 1-10 and 12-27 stand rejected.

No claims are canceled in this paper.

Claims 1, 10, 17, and 22 are amended in this paper.

Accordingly, claims 1-10 and 12-27 remain pending and are shown in the following complete listing of claims:

1. (Currently Amended) ~~In an~~ An electronic document editor; ~~a highlight rendering services component comprising:~~

a highlight rendering services component including a highlight rendering services interface that provides one or more methods to enable an editor extension to control which section of an electronic document is highlighted on a screen and to control a style of the highlight, the editor extension determining a visual aspect of the highlight without altering the electronic document and the highlight rendering services component determining non-visual functional aspects of the highlight;

a designer extensibility mechanism;

a plurality of designers, wherein the designers communicate with the electronic document editor through the designer extensibility mechanism and through the highlight rendering services component;

a designer registry containing respective entries for the designers, wherein the entries are arranged in sequential order; and

an event routing controller adapted to route events related to the highlight rendering services component to at least one of the designers based at least in part on the sequential order of the entries in the designer registry.

1 2. (Original) The highlight rendering services component as recited in
2 claim 1, wherein the methods provided by the highlight rendering services
3 interface further enable the editor extension to define a style of the section
4 highlighting.

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6 3. (Original) The highlight rendering services component as recited in
7 claim 1, wherein the one or more methods further comprises a method to enable
8 the editor extension to create a highlight segment between two display pointers in
9 the document.

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11 4. (Original) The highlight rendering services component as recited in
12 claim 1, wherein the one or more methods further comprises a method to enable
13 the editor extension to create a highlight segment between two display pointers in
14 the document and to highlight the segment according to a specified rendering style.

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16 5. (Previously Presented) The highlight rendering services component
17 as recited in claim 1, wherein the editor extension is a first editor extension that is
18 replaceable by a second editor extension that determines the visual aspect of the
19 highlight to appear different from the visual aspect of the highlight as determined
20 by the first editor extension.

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22 6. (Original) The highlight rendering services component as recited in
23 claim 1, wherein the one or more methods further comprises a method to enable
24 the editor extension to redefine a style of a highlight segment.
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1 7. (Original) The highlight rendering services component as recited in
2 claim 1, wherein the one or more methods further comprises a method to enable
3 the editor extension to remove a highlighted segment from the document.

4 8. (Original) The highlight rendering services component as recited in
5 claim 1, further comprising an interface to enable the editor extension to control a
6 highlighted section of a document.

7 9. (Original) The highlight rendering services component as recited in
8 claim 1, further comprising an interface to enable the editor extension to control
9 one highlighted section of a document from a group of highlighted sections of the
10 document.
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10. (Currently Amended) A computer-readable medium having computer-executable instructions for one or more interfaces that, when executed by an electronic document editor on a computer, perform the following:

receiving parameters from ~~a~~ at least one of a plurality of designers through a highlight rendering services interface that provides one or more methods to enable the designers to control which section of an electronic document is highlighted on a screen and to control a style of the highlight, the designers determining a visual aspect of the highlight without altering the electronic document, and a highlight rendering services component determining non-visual functional aspects of the highlight;

registering the designers in a sequential order;

receiving at least one event relating to the highlight rendering services component;

routing the event to at least one of the designers based at least in part on the sequential order in which the designers are registered;

utilizing the parameters to highlight a segment of an electronic document with particular highlight visual aspects in response to the event;

returning values to the designer regarding the state of the highlighted segment.

11. (Canceled).

12. (Original) The computer-readable medium as recited in claim 10, wherein the utilizing the parameters further comprises utilizing the parameters to create a highlight segment between two display pointers in the document.

13. (Original) The computer-readable medium as recited in claim 10, wherein the utilizing the parameters further comprises utilizing the parameters to create a highlight segment between two display pointers in the document and to highlight the segment according to a specified rendering style.

14. (Original) The computer-readable medium as recited in claim 10, wherein the utilizing the parameters further comprises utilizing the parameters to redefine a highlighted segment in the document.

15. (Original) The computer-readable medium as recited in claim 10, wherein the utilizing the parameters further comprises utilizing the parameters to redefine a style of a highlighted segment in the document.

16. (Original) The computer-readable medium as recited in claim 10, wherein the utilizing the parameters further comprises utilizing the parameters to remove a highlighted segment from the document.

17. (Currently Amended) A method for providing highlight rendering services to ~~one or more~~ a plurality of extensions in an extensible editor, the method comprising:

receiving a request from ~~an~~ one of the extensions to utilize the highlight rendering services;

facilitating the request by presenting a highlight rendering services interface that is accessible by the extension and that provides one or more methods to enable the extensible editor to control which section of an electronic document is highlighted on a screen and to control a style of the highlight, the extensible editor determining a visual aspect of the highlight without altering the electronic document and a highlight rendering services component determining non-visual functional aspects of the highlight;

registering the extensions in a sequential order;

routing an event related to the highlight rendering services component to at least one of the extensions based at least in part on the sequential order in which the extensions are registered; and

communicating with the extension through the highlight rendering services interface to enable the extension to highlight a section of a document through the editor according to particular display attributes defined by the extension.

1 18. (Original) The method as recited in claim 17, wherein the facilitating
2 further comprises presenting a highlight segment interface to enable the extension
3 to control a highlighted section of a document displayed by the extensible editor,
4 and wherein the communicating further comprises communicating with the
5 extension through the highlight segment interface.
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7 19. (Original) The method as recited in claim 17, wherein the highlight
8 rendering service interface further comprises an add-segment method to enable the
9 extension to create a highlight segment between two display pointers in the
10 document and to define a style of the highlighting.
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12 20. (Original) The method as recited in claim 17, wherein the highlight
13 rendering service interface further comprises a move-segment-to-pointers method
14 to enable the extension to create a highlight segment between two display pointers
15 in the document and to define a style of the highlighting.
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17 21. (Original) The method as recited in claim 17, wherein the highlight
18 rendering service interface further comprises a remove-segment method to enable
19 the extension to remove a highlighted section from the document.
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1 22. (Currently Amended) An electronic document editor stored on a
2 computer-readable medium, comprising:

3 a plurality of designers;

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5 a designer interface that is adapted to transfer data between the editor and
6 ~~one or more~~ the designers attached to the editor;

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8 a designer registry containing respective entries for the designers, wherein
9 the entries are arranged in sequential order;

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11 an event routing controller adapted to route events received by the editor to
12 at least one of the one or more designers based at least in part on the sequential
13 order of the entries in the designer registry; and

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15 a highlight rendering services component that is configured to enable a
16 designer to modify rendered character attributes of highlighted document text
17 without modifying the document content, and that includes a highlight rendering
18 services interface that provides one or more methods to enable the designer to
19 control which section of an electronic document is highlighted on a screen and to
20 control a style of the highlight, the designer determining a visual aspect of the
21 highlight and the highlight rendering services component determining non-visual
22 functional aspects of the highlight.
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1 23. (Original) The electronic document editor as recited in claim 22,
2 wherein the highlight rendering services component further comprises a highlight
3 rendering services interface configured to transfer data between the editor and a
4 designer to enable the designer to control which sections of the document are
5 highlighted on the screen and the style in which the highlighting appears.
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7 24. (Original) The electronic document editor as recited in claim 23,
8 wherein the highlight rendering services interface further comprises an add-
9 segment method to create a highlight segment between two display pointers and
10 highlight the highlight segment according to a specified rendering style.
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12 25. (Original) The electronic document editor as recited in claim 23,
13 wherein the highlight rendering services interface further comprises a move-
14 segment-to-pointers method to redefine a highlight segment and a style in which
15 the highlight segment is rendered.
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17 26. (Original) The electronic document editor as recited in claim 23,
18 wherein the highlight rendering services interface further comprises a remove-
19 segment method to remove a highlight segment from a collection of segments that
20 are highlighted.
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1 27. (Original) The electronic document editor as recited in claim 22,
2 wherein the highlight rendering services component further comprises a highlight
3 segment interface configured to transfer data between the editor and a designer to
4 enable the designer to provide type checking for document segments added or
5 moved from highlighted sections of the document.
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